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13281 U.S. PTO

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**REISSUE
PATENT APPLICATION
TRANSMITTAL**

| | | |
|---|----------------------------|--|
| REISSUE PATENT APPLICATION TRANSMITTAL | Attorney Docket No. | 251496US90RE |
| | First Named Inventor | Motoo ASAII |
| | Original Patent Number | 6,376,049 B1 |
| | Original Patent Issue Date | April 23, 2002 |
| | Title | MULTILAYER PRINTED WIRING BOARD AND ITS MANUFACTURING METHOD, AND RESIN COMPOSITION FOR FILLING THROUGH-HOLE |

| | | | | |
|---|--|--|--|---------------------------------------|
| APPLICATION FOR REISSUE OF: | | <input checked="" type="checkbox"/> Utility Patent | <input type="checkbox"/> Design Patent | <input type="checkbox"/> Plant Patent |
| APPLICATION ELEMENTS | | ADDRESS TO: Commissioner for Patents Mail Stop Patent Application Alexandria, Virginia 22313 | | |
| 1. <input checked="" type="checkbox"/> Fee Transmittal Form <small>(Submit an original and a duplicate for fee processing)</small> 2. <input checked="" type="checkbox"/> Specification and claims | | ACCOMPANYING APPLICATION PARTS 7. <input checked="" type="checkbox"/> Statement of status/support for all changes to the claims. See 37 CFR 1.173 (c). | | |
| 3. <input checked="" type="checkbox"/> Drawing(s) | | 8. <input checked="" type="checkbox"/> Foreign Priority Claim (35 U.S.C. 119) | | |
| 4. <input type="checkbox"/> Reissue Oath or Declaration | | 9. <input checked="" type="checkbox"/> Information Disclosure Statement <input checked="" type="checkbox"/> Copies of IDS (IDS)/PTO-1449 <small>Citations (2)</small> | | |
| 5. Original U.S. Patent <input type="checkbox"/> Offer to surrender original patent or <input checked="" type="checkbox"/> Ribboned Original Patent Grant <input type="checkbox"/> Affidavit / Declaration of Loss | | 10. <input type="checkbox"/> English Translation of Reissue Oath/Declaration 11. <input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. | | |
| 6. Original U.S. Patent currently assigned? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | | 12. <input type="checkbox"/> Preliminary Amendment 13. <input checked="" type="checkbox"/> White Advance Serial No. Postcard | | |
| if yes, check applicable boxes <input type="checkbox"/> Written Consent of all Assignees <input type="checkbox"/> 37 C.F.R. §3.73(b) Statement | | 14. <input checked="" type="checkbox"/> Other: Request for Priority Application Data Sheet (4 pages) | | |
| 15. CORRESPONDENCE ADDRESS Customer Number 22850 (703) 413-3000 FACSIMILE: (703) 413-2220 | | | | |

| | | | |
|------------|---|-------------------|-----------|
| Name: | Masayasu Mori | Registration No.: | 47,301 |
| Signature: |  | Date: | 4/22, '04 |
| Name: | | Registration No.: | |

| REISSUE APPLICATION FEE TRANSMITTAL FORM | | | | Docket Number 251496US90RE | |
|--|--------------|-------------------------------------|--------------|-------------------------------|------------------|
| Claims as filed - Part 1 | | | | | |
| Claims in Original Patent | For | Number Filed in Reissue Application | Number Extra | Rate | Fee |
| 86 | Total Claims | 92 | 6 | x \$18 = | \$108.00 |
| 13 | Independent | 14 | 1 | x \$86 = | \$86.00 |
| Basic Fee (37 CFR 1.16(h)) | | | | | \$770.00 |
| <input checked="" type="checkbox"/> Late Filing of Declaration | | | | | \$130.00 |
| Total of above calculations | | | | | \$1,094.00 |
| <input type="checkbox"/> Reduction by 50% for filing by small entity | | | | | \$0.00 |
| | | | | | Total Filing Fee |
| | | | | | \$1,094.00 |

Please charge Deposit Account No. 15-0030 in the amount of _____. A duplicate copy of this sheet is enclosed.

The Commissioner is hereby authorized to charge any additional fees under 37 CFR 1.16 or 1.17 which may be required, or credit any overpayment to Deposit Account No. 15-0030. A duplicate copy of this sheet is enclosed.

A check in the amount of _____ to cover the filing/additional fee is enclosed.

Credit card payment form is attached to cover the filing/additional fee in the amount of \$1,094.00

4/22, '04

Date


 Signature of Applicant, Attorney or Agent of Record

 Masayasu Mori
 Registration No. 47,403

 Typed or printed name

DOCKET NO: 251496US90RE

IN THE UNITED STATES PATENT & TRADEMARK OFFICE

IN RE REISSUE APPLICATION OF :
MOTOO ASAI, ET AL. : EXAMINER: UNASSIGNED
PATENT NO: 6,376,049 B1 :
ISSUED: APRIL 23, 2002 : GROUP ART UNIT: UNASSINED
FOR: MULTILAYER PRINTED WIRING :
BOARD AND ITS MANUFACTURING :
METHOD, AND RESIN COMPOSITION :
FOR FILLING THROUGH-HOLE

STATUS OF CLAIMS AND SUPPORT FOR CLAIM CHANGES

UNDER 37 CFR §1.173(c)

COMMISSIONER FOR PATENTS
ALEXANDRIA, VIRGINIA 22313

SIR:

In accordance with 37 CFR §1.173(c), the following is a statement of the status of the patent claims, and an explanation of the support in the disclosure of the patent for the changes made to the claims.

Claims 1-92 are present in the reissue patent application including original Claims 1-86 and new reissue Claims 87-92.

Claim 87 finds support at column 3, lines 52-54 and column 16, lines 15-42.

Claim 88 finds support at column 16, lines 8-11.

Claim 89 finds support at column 5, line 66 to column 6, line 2.

Claim 90 finds support at column 6, lines 9-11.

Claim 91 finds support at column 6, lines 17-20.

Claim 92 finds support at column 11, lines 21-25.

New Reissue Application
Patent No. 6,376,049 B1
Status of Claims and Support for Claim Changes under 37 CFR §1.173(c)

Respectfully submitted,

OBLON, SPIVAK, McCLELLAND,
MAIER & NEUSTADT, P.C.



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MM:JM
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UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION

PATENT NO. : 6,376,049 B1
DATED : April 23, 2002
INVENTOR(S) : M. Asai et al.

Page 1 of 2

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Title page.

Item [56], References Cited, the following FOREIGN PATENT DOCUMENT was omitted and should be included:

-- 9-130050 5/16/97 Japan --

Column 31.

Line 56, after "at least" insert -- one --.
Line 60, "ahigh" should be -- a --.

Column 32.

Line 53, "ans" should be -- and --.
Line 55, "the" should be -- a --.
Line 56, after "the" insert -- at --.
Line 64, "wqual" should be -- equal --.

Column 34.

Line 4, "throhg-hole" should be -- through-hole --.
Line 26, "particle" should be -- particulate --.
Lines 35-36, "novalac" should be -- novolac -- (three occurrences).
Line 38, "novalac" should be -- novolac --
Line 49, "inorgainic" should be -- inorganic --.
Line 62, "lest" should be -- least --.

Column 35.

Line 40, "electroplatinng" should be -- electroplating --.
Line 48, "lest" should be -- least --.
Line 64, "tretment" should be -- treatment --.

UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION

PATENT NO. : 6,376,049 B1
DATED : April 23, 2002
INVENTOR(S) : M. Asai et al.

Page 2 of 2

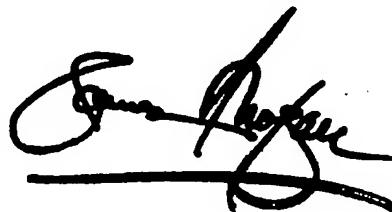
It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Column 38.

Line 64, "ater" should be -- after--.

Signed and Sealed this

Eighteenth Day of March, 2003



JAMES E. ROGAN
Director of the United States Patent and Trademark Office

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